

ABSTRACT.

A constant velocity universal joint which can provide an improved strength in a stem portion by simple and effective countermeasure. The constant velocity universal joint include a bowl-shaped mouth portion and an outer joint member having the stem portion with a serration formed on its outer peripheral surface. The stem portion extends from a bottom portion of the mouth portion in its axial direction as an integrated part. An induction hardened area C is formed in the bottom portion of the mouth portion.